

COPY

Docket No. 3243.1001-001

Multi-Joint

ASSIGNMENT

WHEREAS, we, **Christina Lampe-Onnerud, Per Onnerud, Jie Shi and Sharon Dalton**, together with co-inventors **Tomoyoshi Koizumi and Aisaku Nagai**, have invented a certain improvement in **Gradient Cathode Material for Lithium Rechargeable Batteries**, described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **February 11, 2002** as Application No. **10/073,674**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Kureha Chemical Industry, Co., Ltd.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of **Japan**, and having a usual place of business at **1-9-11, Nihonbashi-Horidomecho, Chuo-ku, Tokyo 103-8552, Japan**, desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

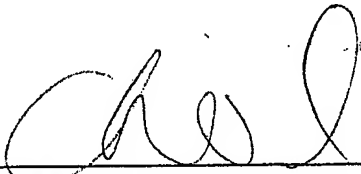
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:

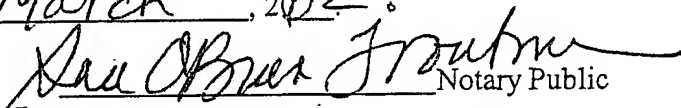

Christina Lampe-Onnerud

State/Commonwealth

of Massachusetts

County of Middlesex


Then personally appeared before me the above-named **Christina Lampe-Onnerud** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22nd day of March, 2022.


Notary Public

(SEAL)

(print name)

My Commission expires 1/24/03

Inventor: 
Per Onnerud

State/Commonwealth

of Massachusetts

County of Middlesex

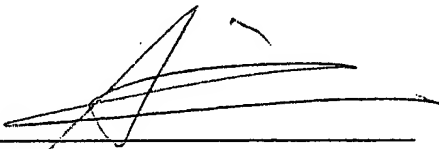
Then personally appeared before me the above-named **Per Onnerud** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22 day of March, 2002

 Notary Public

(SEAL)

(print name)

My Commission expires 1 / 24 / 03

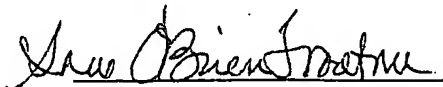
Inventor: 
Jie Shi

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named **Jie Shi** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22 day of March, 2002.

 Notary Public

(SEAL)

(print name)

My Commission expires 1 / 24 / 03

Inventor: Sharon Dalton
Sharon Dalton

State/Commonwealth
of Massachusetts
County of Middlesex

Then personally appeared before me the above-named **Sharon Dalton** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22 day of March, 2002.

Shirley O'Brien Groulx Notary Public

(SEAL)

(print name)

My Commission expires 1 / 24 / 03

Multi-Joint

ASSIGNMENT

WHEREAS, we, Tomoyoshi Koizumi and Aisaku Nagai, together with co-inventors Christina Lampe-Onnerud, Per Onnerud, Jie Shi and Sharon Dalton, have invented a certain improvement in Gradient Cathode Material for Lithium Rechargeable Batteries, described in an application for Letters Patent of the United States, the specification of which:

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☒ was filed on February 11, 2002 as Application No. 10/073,674;

☐ was patented under U.S. Patent No. [] on [].

WHEREAS, Kureha Chemical Industry, Co., Ltd. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Japan, and having a usual place of business at 1-9-11, Nihonbashi-Horidomecho, Chuo-ku, Tokyo 103-8552, Japan, desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor Tomoyoshi Koizumi Date March 18, 2002
Tomoyoshi Koizumi

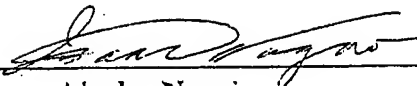
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Witness Ken'ichi Nakamura March 18, 2002
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